

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

Flt ID: N050723	From: KMCF	To: KMCF
Flt No: 05-114	Blk In: 2354Z	ATA: 2346Z
ETD: 1800Z	Blk Out: 1742Z	ATD: 1753Z 509
ETE:	Blk Time: 68:12 (8:12) (602)	Flt Time: 59:53 (1:53)
Sponsor Org: NCEP	Program: HURR CDO MAPPING	Purpose: TS FRANKLIN CDO MAPPING

AOC Personnel

AC: FINKE	Sys Eng:
CP: FINN / ODELL	Data Sys: BRIDGEMAN CARPENTER
Nav:	Radar:
FE:	GPS/BT: TONG / CARPENTER
FD: DAMIANO	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
GAMACHE, J	PI	HRD

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

1704Z
2941
7448
1003mb

WFD AVAPS GUS showing
logur data on drop

Drop sonde on center on first pass
of figure four

Drop sonde on center on first pass
of figure four

21
6950
3410
6751
7140
3345
7245
511
45K
7245K

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF2

Flt ID: *N050723* Time Off: *1753Z* Time On: *2346Z*

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	<i>1016.4</i>	<i>30.03 / 1016.4</i>	<i>1015.7</i>	<i>30.00 / 1015.4</i>

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>10</i>	<i>all good no messages sent</i>

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

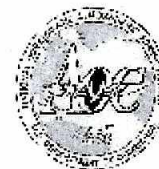
Remarks

Revised pts 11-14

<i>11</i>	<i>29° 24'</i>	<i>73° 24'</i>
<i>12</i>	<i>30° 48'</i>	<i>75° 00'</i>
<i>13</i>	<i>30° 48'</i>	<i>73° 18'</i>
<i>14</i>	<i>29° 24'</i>	<i>74° 54'</i>



NOAA G-IV ERROR SUMMARY
HURRICANE 2005
TS FRANKLIN CDO MISSION #2



Flight ID: N050723

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW_PITR, VNS_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT3
Dew Point Probe	DPRC
Static Pressure	PS2C
Dynamic Pressure	QC2C
Attack Angle	AKRD1
Slip Angle	SSRD2
Vert. Wind	PALT
Constants File	49cal041
Project Directory	/proj/506

Local surface observation not current or unavailable.

Notes:

There were no data gaps.

The Total Temperature #2 (TT2) probe was not available for this mission.

All instruments worked optimally during the brief flight.

	Takeoff	Landing
Aircraft Static Pressure	1016.4mb	1015.7mb
Corrected Tower Pressure	1016.4mb	1015.4mb
Flight Director:	A. Barry Damiano	(813) 828-3310 ext. 3073

VIEW - PIR, ^{VNS}~~VNS~~ - PIR

NO50723

NO DATA GAPS

DPRC

PSIM

QCIM

AKRDI

SSRDZ

PAUT

N Netscape Messenger Express for A Barry Damiano

Folders Inbox Message Options

Help Logout

Compose Reply Reply All Forward

Move message to folder:

Delete Prev Next

From "John Gamache" <John.Gamache@noaa.gov>

Date Saturday, July 23, 2005 9:30 am

To mark.s.finke@noaa.gov, Michele.A.Finn@noaa.gov, A.Barry.Damiano@noaa.gov

Cc Jack.R.Parrish@noaa.gov, Frank.Marks@noaa.gov, Naomi.Surgi@noaa.gov, James.Franklin@noaa.gov

Subject Flight pattern for CDO mapping of Franklin on Sat 23 July 2005

Attachments urns1.txt

1K

Good morning,

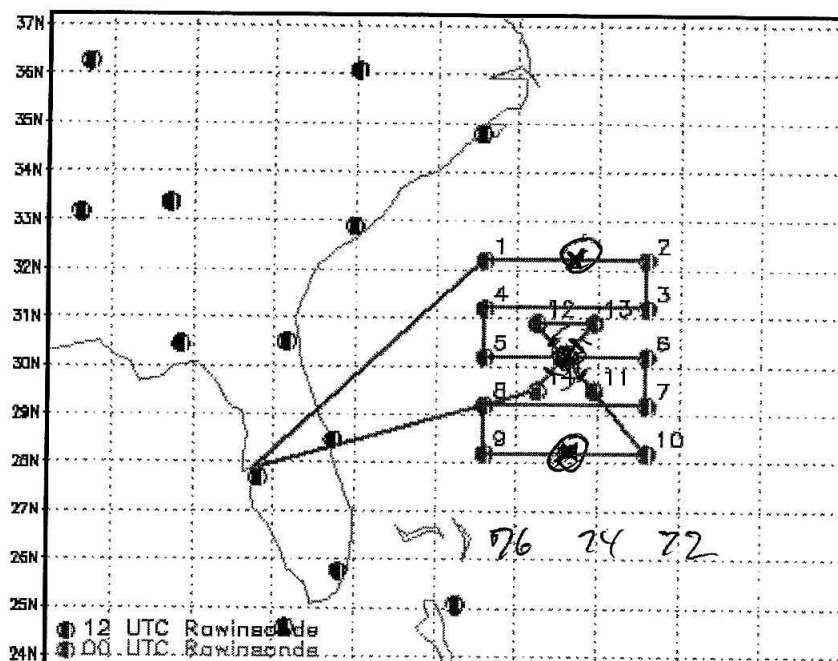
Attached is the flight plan I drew up for today. If you still have the 12 sondes on the G-IV that we had yesterday, could you leave them on and plan for about 7 drops today, please? Right now there looks like a little more convection and organization than yesterday. The flight plan is essentially the same as yesterday, only moved NE with the storm. I assumed a position of 30.2 N and 74.8 W at around 21Z. This is based on a compromise of James Franklin's discussion at 5AM, and what I computed from last nights and today's 12Z vortex fixes.

Unless you say otherwise, I will plan to be there around noon.

John

305-926-9085

*drop 20nm from center
at center*



HURRICANE CDO-MAPPING MISSION PLAN: FRANKLIN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 23/1800Z

TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	32 12	76 48		396.	396.	1:04
2	32 12	72 48		203.	600.	1:31
3	31 12	72 48		60.	660.	1:40
4	31 12	76 48		206.	865.	2:07
5	30 12	76 48		60.	925.	2:16
6	30 12	72 48		208.	1133.	2:44
7	29 12	72 48		60.	1193.	2:52
8	29 12	76 48		210.	1403.	3:20
9	28 12	76 48		60.	1463.	3:29
10	28 12	72 48		212.	1675.	3:57
11	29 30	74 06		104.	1779.	4:12
12	30 54	75 30		111.	1890.	4:27
13	30 54	74 06		72.	1962.	4:36
14	29 30	75 30		111.	2074.	4:52
15	MACDILL			383.	2457.	5:54

N49RF AVAPS DropSonde Log

N49RF Project: HURR 05

Flight ID 050723N

Mission: ^{000 T.S.}FRANKLIN Flight #: 2

Launcher S/N: 002

Status: Sys 1 ✓

Sys 2 ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	042 215 1162	1	1857	0	17	RT		✓
2	042 825 045	1	1922	0	22			✓
3	034 323 190	1	2119	-1.9	50			✓
4	034 355 032	1	2149	-1.8	20			✓
5	034 113 023	2	2206	-1.8	32			✓
6	034 323 168	3	2209	-4.4	40		CENTER	✓
7	032 815 026	4	2212	-1.4	32			✓
8	034 323 167	1	2230	-2.2	41			✓
9	034 323 183	2	2232	-1.4	47		CENTER	✓
10	034 135 056	3	2235	-1.9	47			✓
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								